Appendix G-2
Geotechnical Information



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December 17, 2009 Project No.: 0155-21-1

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Mr. Rich Mattucci Brown and Caldwell 3264 Goni Road, Suite 153 Carson City, Nevada 89706

RE: Summary of Site Sampling and Materials Testing - Yerington Mine Site Yerington, Nevada

Dear Mr. Mattucci:

Black Eagle Consulting, Inc. is pleased to present the results of our site sampling and materials testing performed at the Yerington Mine site in Yerington, Nevada. All sampling and testing was performed in accordance with the scope of work outlined in the Brown and Caldwell Task Order #29 Authorization dated April 20, 2009.

Sulfide Tailings

Field Sampling and Testing

Sampling of the oxide tailings proposed for use as tailings capping material was performed in August 2009 by excavating 6 test pits, while sampling and field testing of the sulfide tailings was performed in May 2009 by excavating 3 test pits in the proposed South Landfill (sulfide tailings) area. The locations of the test pits are shown on the attached Plate 1 - Sampling Locations. Test pitting was accomplished using a John Deere® 160LC trackhoe to a maximum depth of approximately 20 feet below existing grade. Bulk samples for index testing were collected from excavation spoils obtained at specific depths in each material horizon. Due to the depth of the test pit and associated safety concerns, the depth to changes in stratigraphy and total depth of excavation in the oxide tailings material could only be approximated.

During test pit excavation within the oxide tailings material, representative material excavated from the test pit was spread out in a single approximate 18-inch-thick loose lift adjacent to the test pit and subjected to approximately 4 passes by the trackhoe. Nuclear density testing was then performed on the completed pads.

A nuclear density gauge was used to determine the in situ moisture content and dry density of the material present at the ground surface at each test pit location in the South Landfill area. Vane shear testing was also performed at the surface of each test pit in the South Landfill area prior to excavation in order to document the in situ shear strength of the material.

A geologist examined and identified all soils in the field in accordance with American Society for Testing and Materials (ASTM) D 2488. During test pitting, representative bulk samples were placed in sealed plastic bags and returned to our Reno, Nevada, laboratory for possible testing. Additional soil classification was subsequently performed in accordance with ASTM 2487 (Unified Soil Classification System [USCS]) upon completion of laboratory testing as described below. Logs of the test pits are presented as Plate 2 - Test Pit Logs, and a USCS chart has been included as Plate 3 - Graphic Soils Classification Chart. Sulfide tailings test pits are denoted are denoted as SST, NST, and Clay Tails.

A summary of the sampling locations and field testing is presented in Table 1 - Oxide Tailings and South Landfill Sampling Summary.

	TABLE 1- OXIDE TAILINGS AND SOUTH LANDFILL SAMPLING SUMMARY														
Test Location	Location Designation	Test Depth	Moisture Content	Dry Density	Vane Shear	Shear Strength	Shear Strength	UTM Coo	ordinates						
Test Location	Test Pit (TP) Number	(Inches)	(%)	(pcf)	Value	(kPa)	(psi)	Northings	Eastings						
G 4 I 1611	SST TP-01	6	5.7	91.3	96	145	21	4,319,809	309,684						
South Landfill Area	SST TP-02	6	6.4	93.5	80	121	18	4,319,877	309,785						
	SST TP-03	6	11.4	84.3	93	141	20	4,319,984	309,670						
	TP-06 OX	6*	5.7	115.1	NT	NT	NT	4,319,175	308,710						
		12*	5.5	118.5	NT	NT	NT	4,319,173	308,710						
	TP-07 OX	6*	5.9	120.8	NT	NT	NT	4 210 204	308,674						
		10*	6.0	121.3	NT	NT	NT	4,319,204	308,074						
	TP-08 OX	6*	6.2	114.0	NT	NT	NT	4 210 245	200 (44						
Oxide Tailings	1P-08 OX	12*	5.7	116.4	NT	NT	NT	4,319,245	308,644						
	TP-09 OX	6*	6.7	113.4	NT	NT	NT	1.010.005	200 504						
	1P-09 OX	12*	6.4	119.1	NT	NT	NT	4,319,307	308,601						
	TP-10 OX	6*	5.0	121.6	NT	NT	NT								
	1P-10 OA	12*	5.0	123.5	NT	NT	NT	4,319,282	308,702						
	6*		5.7	118.8	NT	NT	NT	1.010.000	200 51 5						
	TP-11 OX	12*	5.7	122.8	NT	NT	NT	4,319,328	308,716						

NR = Not Recorded

Laboratory Testing

All soils testing performed in the Black Eagle Consulting, Inc. soils laboratory is conducted in accordance with the standards and methodologies described in Volume 4.08 of the ASTM standards. Oxide tailings samples are denoted as OX, while South Landfill samples are denoted as SST.

Representative samples of the oxide tailings and South Landfill materials were analyzed to determine their in situ moisture content (ASTM D 2216), grain size distribution (ASTM D 422), and plasticity index (ASTM D 4318). Test results were used to classify the soils according to ASTM D 2487 and to verify field logs, which were then updated as appropriate. Classification in this manner provides an indication of the soil's mechanical properties. Results of these tests are shown on Plate 4 - Index Test Results.

Moisture-density relationship tests (ASTM D 1557) were performed on representative samples of the oxide tailings and South Landfill materials. The maximum density shown by this test is compared with field densities to determine the percent relative compaction. The moisture density curves are included as Plate 5 Moisture-Density Relationship Test Results.

Specific gravity tests (ASTM D 5550) were performed on representative samples of oxide tailings and South Landfill materials to aid in hydrometer and direct shear testing of these materials. Test results are presented in Table 2 – Oxide Tailings and South Landfill Materials Laboratory Test Summary.

Direct shear tests (ASTM D 3080) were also performed on representative samples of South Landfill materials. Tests were run on remolded, inundated samples under various normal loads in order to develop a Mohr's strength envelope. For remolded samples, the sample was screened to remove particles larger than the number 4 sieve prior to testing. Results of these tests are shown on Plate 6 - Direct Shear Test Results.

Hydraulic conductivity tests (ASTM D 5084) were performed on representative samples of South Landfill materials. The tests were performed on samples remolded to approximately 90 percent of the materials maximum dry density (ASTM D 1557) at optimum moisture content. A confining pressure of 5 pounds per square inch (psi) was used during testing. Results of these tests are shown on Plate 7 - Hydraulic Conductivity Test Results.

A summary of all the laboratory testing performed on the oxide tailings and South Landfill materials is shown in Table 2.

Black Eagle Consulting, Inc.

NT = Not Tested

^{*} Test performed on 18-inch section of oxide tailings material spread out and compacted by 4 passes of a John Deere® 160LC trackhoe.

	TABLE 2 - OXIDE TAILINGS AND SOUTH LANDFILL MATERIALS LABORATORY TEST SUMMARY														
Sample Identification and Location Test Pit (TP) No.	Sample Depth (ft)	Sample Number	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	% < #200 Sieve	Maximum Size (mm)	Water Content (%)	Maximum Dry Density (pcf)	Optimum Moisture Content (%)	Specific Gravity	Angle of Internal Friction (Degrees)	Cohesion (psf)	Hydraulic Conductivity (cm/sec)	USCS Classification
SST TP-01	0.0	Bulk	NV	NP	NP	18	4.75	9.4	104.3	14.1	2.587	47	523		SM
SST TP-01	1.5	A	NV	NP	NP	13	4.75	8.3							SM
SST TP-02	0.0	Bulk	NV	NP	NP	61	9.5	13.9	107.8	16.7	2.631	41	0	2.3 x 10 ⁻⁴	ML
SST TP-02	1.5	A	NV	NP	NP	31	19	12.1							SM
SST TP-03	1.5	A	NV	NP	NP	67	9.5	14.0							ML
TP-06 OX	0.0	Bulk	28	20	8	14	19	4.2	120.6	12.7					SC
TP-07 OX	10.0	С	29	19	10	12	19	5.7							SC
TP-08 OX	5.0	В	31	19	12	12	19	5.8							SP-SC
TP-09 OX	0.0	Bulk	28	22	6	11	19	4.6	125.8	8.5					GP-GC
TP-10 OX	15.0	D	28	16	12	10	19	6.9							GP-GC
TP-11 OX	0.0	Bulk	31	19	12	12	19	6.0	125.9	10.1					SC
NV = No Value		ı						1	1	ı			I.	l .	l .

NP = Non-Plastic

Seismic Design Criteria

The 2006 International Building Code (ICC, 2006), adopted by the City of Yerington, requires a detailed soils evaluation to a depth of 100 feet to develop appropriate soils criteria. However, the code states that a Site Class D may be used as a default value when the soil properties are not known in sufficient detail to determine the soil profile type. The Site Class D soil profile is for stiff soils with a shear velocity between 600 and 1,200 feet per second, or with an N (Standard Penetration Test [SPT]) value between 15 and 50 or an undrained shear strength between 1,000 and 2,000 pounds per square foot (psf). Based on our experience and the geology at the Yerington mine site, it is our opinion that the default Site Class D is appropriate. With that assumption, the recommended seismic design criteria follow:

TABLE 3 - SEISMIC DESIGN CRITERIA USING 2006 INTERNATIONAL BUILDING CODE (USGS, 2007)								
Approximate Latitude	39.00							
Approximate Longitude	-119.20							
Spectral Response at Short Periods, S _s , percent of gravity	1.246							
Spectral Response at 1-Second Period, S ₁ , percent of gravity	0.478							
Site Class	D							
Site Coefficient F _a , decimal	1.00							
Site Coefficient F _y , decimal	1.32							
Site Adjusted Spectral Response at Short Periods, S _{MS} , percent of gravity	1.246							
Site Adjusted Spectral Response at Long Periods, S _{M1} , percent of gravity	0.632							

Closing

This report has been prepared with generally accepted geotechnical practices. The information submitted is based upon field exploration performed at the locations described in this letter-report. This report does not reflect soils or ground water variations that may be evident during the construction period. We recommend our firm be retained to perform construction observation in all phases of the project related to geotechnical factors. The owner shall be responsible for distribution of this geotechnical investigation to all designer and contractors whose work is related to geotechnical factors.

We appreciate being of service to you on this project. If you have any questions, or require additional information or clarification, please do not hesitate to contact us.

Sincerely,

Black Eagle Consulting, Inc.



Patrick A. Pilling, Ph.D., P.E., D.GE. President

PAP:mrc/lmk

Enclosures: Plate 1 – Sampling Locations

Plate 2 – Test Pit Logs

Plate 3 – Graphic Soils Classification Chart

Plate 4 – Index Test Results

Plate 5 – Moisture-Density Relationship Test Results

Plate 6 – Direct Shear Test Results

Plate 7 – Hydraulic Conductivity Test Results

Copies to: Addressee (3 copies)

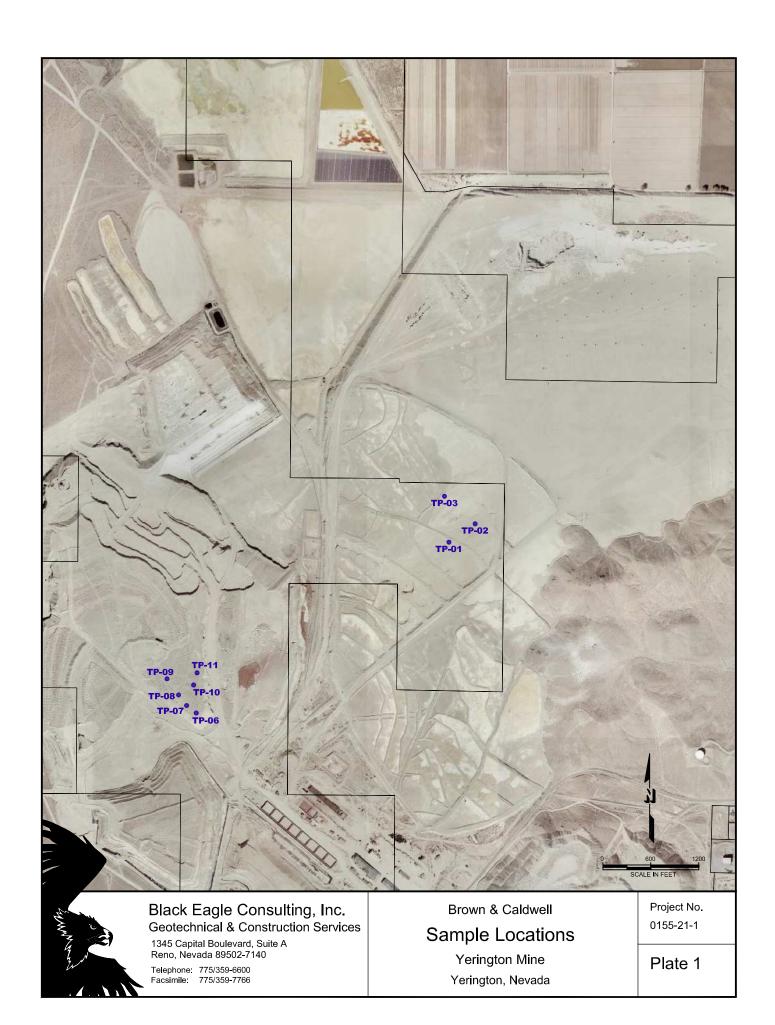
References:

American Society for Testing and Materials (ASTM), 2005, Soil and Rock; Dimension Stone; Geosynthetics, Volume 4.08.

International Code Council (ICC), 2006, International Building Code.

United States Geological Survey (USGS), 2007, Earthquake Ground Motion Parameters, Version 5.0.8.

Black Eagle Report
Attachments



			T	EST PIT L		E/20/2000
TEST PIT NO.:					DATE:	5/29/2009
TYPE OF HOE		LC		******	DEPTH TO GROUND WATER	
LOGGED BY:	SMM	~		*****	GROUND ELEVATION (ft):	NA
SAMPLE NO. SAMPLE TYPE	PENETROMETER (tsf) MOISTURE (%)	PLASTICITY INDEX	USCS SYMBOL	00' - 12'·	ON Poorly Graded Gravel with C	lay and Sand Tan.
A ® GRAB	8.3	NP 2	GP-GC	yellow, dr medium p fine to cos 1.2' - 18.0	y, dense to very dense, with an lasticity fines, 15-20% fine to derse angular to subangular gradit Silty Sand Tan, yellow, dry th 13% non-plastic fines, and 8	n estimated 5-10% low to coarse sand, and 70-75% livel. Cap for tailings. , loose to medium
B 🖰 GRAB		8				
C 🖰 GRAB		10	_	Occasion	al thin gray clay layers up to 3	inches thick.
D 👸 GRAB		16				
E 🖲 GRAB		18	- ML	18.0' - 20 estimated sand.	.0': Sandy Silt Gray, slightly r l 65-70% non-plastic fines, and	noist, very stiff, with an d 30-35% fine to coarse
Excavated in th	e South Sulfide	Tailings.		4		
						PROJECT NO.
	Black Eagl		_		Brown & Caldwell	0155-21-1
	1345 Capit Reno, Nev				Yerington Mine	PLATE:
	(775) 359-6				Yerington, NV	2
						SHEET 1 OF

		÷	***************************************	*****************			TES	T PIT LO	3		
TES	T PIT NO.:	SST	TP-0)2					DATE:	5/29/200	19
TYP	E OF HOE:	Cat	160C	LC					DEPTH TO GROUND WATER (t): NE	
LOG	GED BY:	SMN	/						GROUND ELEVATION (ft):	NA	
SAMPLE NO.	SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	LITHOLOGY	DESCRIPTION		Sand San	d Top
			***************************************			GP-GC ML		√yellow, dry, d medium plas	oorly Graded Gravel with Claense to very dense, with an ticity fines, 15-20% fine to co	estimated (parse sand,	5-10% low to , and 70-75% <i> </i>
	GRAB		12.1	NP	2	SM		0.8' - 1.4': Sa estimated 65 sand. 1.4' - 9.0': Si	e angular to subangular gravandy Silt Gray, slightly mois -70% non-plastic fines, and Ity Sand Yellow brown, slig se, with 13% non-plastic fine	t, very stiff, 30-35% find htly moist, le	with an e to coarse oose to
С	(*) GRAB				10	ML		to very stiff, v	Sandy Silt Gray, yellow brow with an estimated 70-75% no to coarse sand.	vn, slightly on-plastic fii	moist, stiff nes, and
D	₿ GRAB			The second secon	14	ML		very stiff, with	Sandy Silt Blue-gray, yellon an estimated 65-70% non-to coarse sand.	w brown, sl plastic fine	ightly moist, s, and
.GDT 12/15/2009 П	♥ GRAB				18-	ML		17.5' - 20.0': an estimated sand.	Silt Dark gray, slightly moi: 90-95% non-plastic fines, a	st, stiff to ve and 5-10% f	ery stiff, with fine to coarse
Exca	avated in the	South S	ulfide '	Tailing	s .						PROJECT NO.:
LOG 0155211.GFJ BIKEAGLE GDT 12/15/2009		1345 Reno	Capit , Nev	tal Bl	nsultin vd., Su 89502	ite A			Brown & Caldwell Yerington Mine Yerington, NV		0155-21-1 PLATE:
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							TES	ST PIT LOG	
TES	T PIT NO.:	SST	TP-()3	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		DATE: 5/29/	2009
TYP	E OF HOE	: Cat	160C	LC				DEPTH TO GROUND WATER (ff): NE	
LOG	GED BY:	SMN	/					GROUND ELEVATION (ft): NA	
SAMPLE NO.	SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ff)	USCS SYMBOL	LITHOLOGY	DESCRIPTION 0.0' - 1.0': Poorly Graded Gravel with Clay and S	Sand Tan,
Α	GRAB		14.0	NP	2-	ML		yellow, dry, dense to very dense, with an estimat medium plasticity fines, 15-20% fine to coarse sa fine to coarse angular to subangular gravel. Cap 1.0' - 4.0': Sandy Silt Reddish brown, gray, thinl slightly moist, stiff, with 67% non-plastic fines, an coarse sand.	ind, and 70-75% for tailings. y bedded,
В	GRAB				6 8	ML		4.0' - 9.0': Sandy Silt Yellow brown, gray, slightl very stiff, with an estimated 70-75% non-plastic f 25-30% fine to coarse sand.	y moist, stiff to ines, and
С	© GRAB		*		10-	ML		9.0' - 13.0': Sandy Silt Gray, slightly moist, very estimated 65-70% non-plastic fines, and 30-35% sand.	stiff, with an fine to coarse
D	r GRAB		,		14-	ML		13.0' - 17.0': Sandy Silt Blue-gray, slightly moiss stiff, with an estimated 70-75% non-plastic fines, to coarse sand.	and 25-30% fine
E	[®] GRAB				18-	ML		17.0' - 20.0': Silt Dark gray, slightly moist, stiff to an estimated 90-95% non-plastic fines, and 5-10 sand.	o very stiff, with % fine to coarse
	avated in th	e South S	l ulfide ⁻	Tailing	<u> </u> s.	<u> </u>			
									PROJECT NO.:
		Black	_			_		Brown & Caldwell	0155-21-1
		1345 (Reno,	•		/d., Su 89502			Yerington Mine	PLATE:
THE		(775)				, , 10		Yerington, NV	2
	177								SHEET 1 OF

						***************************************	TES	T PIT LOG
TES	ST PIT NO.:	TP-06	6 OX					DATE: 8/12/2009
TYE	PE OF HOE:	Cat 1	60C	LC				DEPTH TO GROUND WATER (ft): NE
LO	GGED BY:	SMM						GROUND ELEVATION (ft): NA
SAMPLE NO.	SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	гтногову	DESCRIPTION TO THE PROPERTY OF
В	© GRAB				2— 4— 6— 8— 10—	SP-SC		0.0' - 20.0': Poorly Graded Sand with Clay and Gravel Brown, dark brown, slightly moist, very dense, with an estimated 5-15% medium plasticity fines, 40-50% fine to coarse sand, and 35-45% fine to coarse angular gravel.
0155211.GPJ BLKEAGLE.GDT 12/15/2009	GRAB	e Oxide Ta	illings.	Bulk :	14	collecte	d 0 - 20'	PROJECT NO.:
GPJ BI		Black	Eagl	e Cor	nsultin	a, Inc.		Brown & Caldwell 0155-21-1
0155211		1345 (Capit	al Bl	/d., Su	ite A		Yerington Mine PLATE:
9 3		Reno, (775) :			89502	-7140		Yerington, NV 2
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TEST PIT LOG												
TEST PIT I	NO.: TP-	06 OX			***************************************			DATE:	8/12/200	9		
TYPE OF I	HOE: Cat	160C	LC					DEPTH TO GROUND WATER	(ft): NE			
LOGGED E	BY: SMI	<u> </u>						GROUND ELEVATION (ft):	NA			
SAMPLE NO. SAMPLE TYPE	PENETROMETER (Isf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	LITHOLOGY	DESCRIPTION					
E 🖰 GRA	AB			22— 24— 26— 30— 32— 34— 36—								
Excavated in the Oxide Tailings. Bulk sample collected 0 - 20'.												
Die de Franks Communitiers des								Brown & Caldwell		PROJECT NO.:		
	Black Eagle Consulting, Inc. 1345 Capital Blvd., Suite A									0155-21-1		
				89502-				Yerington Mine		PLATE:		

Yerington, NV

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SHEET 2 OF 2

BORING_LOG 0155211.GPJ BLKEAGLE.GDT 12/15/2009

(775) 359-6600

TEST PIT NO.:	TP-07 OX			T PIT LOG DATE:	3/12/2009
TYPE OF HOE:				DEPTH TO GROUND WATER (ft): 1	NE
LOGGED BY:	SMM				NA
SAMPLE NO. SAMPLE TYPE	PENETROMETER (tsf) MOISTURE (%)	PLASTICITY INDEX DEPTH (ff)	USCS SYMBOL	DESCRIPTION	
A GRAB		2- 4- 6- 8-	SP-SC	dark brown, slightly moist, very dense, with a medium plasticity fines, 40-50% fine to coars fine to coarse angular gravel.	an estimated 5-15% se sand, and 35-45%
D & GRAB		12 - 14 - 16 -	SP-SC	11.0' - 20.0': Poorly Graded Sand with Clay dark brown, slightly moist, very dense, with medium plasticity fines, 45-50% fine to coar fine to coarse angular gravel.	an estimated 5-10%
Excavated in the	e Oxide Tailings.			T	PROJECT NO
	Black Eagle	· Consultir	ng, Inc.	Brown & Caldwell	0155-21
	1345 Capita	al Blvd., S	uite A	Yerington Mine	PLATE:
	Reno, Neva (775) 359-6		2-7140	Yerington, NV	PLATE:
	(, 555 0			J	SHEET 1 O

TEST PIT LOG												
TEST PIT NO.:	TP-07	7 OX						DATE:	8/12/200)9		
TYPE OF HOE:	Cat 1	60C L	_C_					DEPTH TO GROUND WATER	(ft): NE			
LOGGED BY:	SMM							GROUND ELEVATION (ft):	NA			
SAMPLE NO. SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	LITHOLOGY	DESCRIPTION					
E C GRAB				22— 24— 26— 30— 32— 34— 36—								
Francis de de	a Ovida I-	ilinac				<u> </u>						
Excavated in the	e Oxide Ta	iiings.								PROJECT NO.:		
	Black I	Eagle	Con	sulting	g, Inc.			Brown & Caldwell		0155-21-1		
	1345 0	Capita	al Blv	d., Sui	te A			Yerington Mine		PLATE:		
Reno, Nevada 89502-7140 (775) 359-6600								Yerington, NV		2		

SHEET 2 OF 2

BORING_LOG 0155211.GPJ_BLKEAGLE.GDT_12/15/2009

	***************************************			A STATE OF THE STA	TE	ST PIT LOG
TES	T PIT NO.:	TP-08	ОХ			DATE: 8/12/2009
TYP	E OF HOE:	Cat 16	0C LC			DEPTH TO GROUND WATER (ft): NE
LOG	GED BY:	SMM				GROUND ELEVATION (ff): NA
B SAMPLE NO.	HADE TABE	č.	MOISTURE (%) PLASTICITY INDEX	(t) HLd30 2 - 4 - 6 - 8 - 10 - 10 - 10 - 10 - 10 - 10 - 10	USCS SYMBOL O C C C C C C C C C C C C C C C C C C C	DESCRIPTION 0.0' - 12.0': Poorly Graded Sand with Clay and Gravel Brown, dark brown, slightly moist, very dense, with an estimated 5-150 medium plasticity fines, 40-50% fine to coarse sand, and 35-46 fine to coarse angular gravel.
E.GDT 12/15/2009	GRAB avated in the	Oxide Tailin Black Ea 1345 Ca	agle Co	_	Inc.	12.0' - 20.0': Poorly Graded Sand with Clay and Gravel Brown dark brown, slightly moist, very dense, with an estimated 5-10' medium plasticity fines, 45-50% fine to coarse sand, and 40-49 fine to coarse angular gravel. PROJECT Brown & Caldwell PROJECT
36 U195	D	1345 Ca Reno, No	•			Yerington Mine PLATE:
OI ON		(775) 35				Yerington, NV 2
BC.	AVI.					SHEET 1

TEST PIT LOG											
TEST PIT NO.:	TP-0	8 OX						DATE:	8/12/200	9	
TYPE OF HOE	Cat 1	160C	LC					DEPTH TO GROUND WATER	(ft): NE		
LOGGED BY:	SMN	<u> </u>				-		GROUND ELEVATION (ft):	NA		
SAMPLE NO. SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DЕРТН (ff)	USCS SYMBOL	LITHOLOGY	DESCRIPTION				
E 🖰 GRAB				22— 24— 26— 30— 32— 34— 36— 38—							
Excavated in the	ne Oxide T	ailings.					1			PROJECT NO.:	
				nsulting vd., Su				Brown & Caldwell Yerington Mine		0155-21-1	
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SHEET 2 OF 2

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TES"	T PIT NO.:	TP-0)9 OX	(IEJ	I FII LU	DATE:		8/12/200	9
	E OF HOE:		160C						DEPTH TO GROUND	WATER (ft)	: NE	
LOG	GED BY:	SMN							GROUND ELEVATIO		NA	
SAMPLE NO.	SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DЕРТН (ft)	USCS SYMBOL	LITHOLOGY	DESCRIPTION				
B (C)	GRAB GRAB GRAB				2	SP-SC		dark brown, s medium plast	oorly Graded Sand lightly moist, very of icity fines, 40-50% angular gravel.	dense, wit	h an estim	ated 5-15%
Exca	vated in the	Oxide Ta	ailings.	Bulk s	ample o	collecte	d 0 - 20'.					
EX EX EXPLICATION DISCUSSION OF THE PRESCRIPTION OF THE PRESCRIPTI)	Black	Eagle	e Cor	ısultinç	g, Inc.			Brown & Cald	well		PROJECT NO.: 0155-21-1
		1345 (Reno,							Yerington Mi	ine		PLATE:
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												SHEET 1 OF 2

		.,,,,,				TES	ST PIT LOC	3		
TEST PIT NO.:	TP-0	9 OX						DATE:	8/12/2009)
TYPE OF HOE	: Cat	160C	LC					DEPTH TO GROUND WATER (ft):	NE	
LOGGED BY:	SMM	1						GROUND ELEVATION (ft):	NA	
SAMPLE NO. SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	LITHOLOGY	DESCRIPTION			
E 🖰 GRAB				22— 24— 26— 30— 32— 34— 36—						
Excavated in the	ne Oxide Ta	aillings.	Bulk s	sample c	ollected	l 0 - 20'.				
									***************************************	PROJECT NO.:
				nsulting				Brown & Caldwell		0155-21-1

BORING LOG 0155211.GPJ BLKEAGLE.GDT 12/15/2009

Black Eagle Consulting, Inc. 1345 Capital Blvd., Suite A Reno, Nevada 89502-7140 (775) 359-6600 3rown & Caldwell
Yerington Mine
Yerington, NV

PLATE: 2

SHEET 2 OF 2

		***************************************		***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		TES	T PIT LO	3		
TEST F	PIT NO.:	TP-1	0 OX	<u> </u>	***************************************				DATE:	8	3/12/2009
TYPE (OF HOE:	Cat 1	160C	LC					DEPTH TO GROUND WA	TER (ft):	NE
LOGGE	ED BY:	SMN	1				***************************************		GROUND ELEVATION (ft)	1	NA
SAMPLE NO.	SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	ГІТНОГОĞҮ	DESCRIPTION			
B (%)	GRAB GRAB				2	SP-SC		dark brown, s medium plas	Poorly Graded Sand wit slightly moist, very dens ticity fines, 40-50% fine angular gravel.	h Clay a	and Gravel Brown, an estimated 5-15% se sand, and 35-45%
Excavat	ted in the	Oxide Ta	ilings.								
<i></i>				_							PROJECT NO.:
	•	Black 1 1345 (_		_				Brown & Caldwel	l	0155-21-1
	a	Reno,	Neva	ada 8					Yerington Mine		PLATE:
1/4	r1 	(775)3	359-6	600					Yerington, NV		2

	and the second second	engen general	10 C	,			TE	ST PIT LO		8/12/2009
	PIT NO.:	,	10 0)						DATE:	
	OF HOE	: Cat SMN	160C /I	LU					DEPTH TO GROUND WATER (I	NA
	JEU 01.			ŭ					Oloona Ell villon (ky.	
SAMPLE NO.	SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	LITHOLOGY	DESCRIPTION		
E ®	GRAB				_					
					22-					
					_					
					24 —					
					_					
					26-					
					_					
					28-					
					_					
					30-					
					_					
					32-					
					_					
					34-					
					-					
					36-					
						,	venik/A-Arenne-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A			
					38-		**************************************	60/minutes		

			-11							
Excav	rated in th	e Oxide Ta	anings	•						PROJECT N
	•				nsulting				Brown & Caldwell	0155-21
					/d., Sui 89502-				Yerington Mine	PLATE:
	9	(775)				, , TV			Yerington, NV	2
<i>Y</i>	1									SHEET 2 (

				•			TES	T PIT LO			014010000
	PIT NO.:	TP-1							DATE:		8/12/2009
	OF HOE:			LC					DEPTH TO GROUND V		
LOGO	GED BY:	SMN	1	×					GROUND ELEVATION	(ft):	NA
SAMPLE NO.	SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	гітногову	DESCRIPTION			
B ®	GRAB GRAB GRAB				2— 4— 6— 8— 10— 12— 14—	SP-SC		dark brown, s medium plast	Poorly Graded Sand very deficity fines, 40-50% fix angular gravel.	with Clay	y and Gravel Brown, han estimated 5-15% arse sand, and 35-45%
Excav	vated in the	Oxide Ta	ullings.	Bulk s	sample o	ollected	d 0 - 20'.				
	•			_					D 0 0 12	- m #1	PROJECT NO
		Black 1345 (_						Brown & Caldw		0155-21-
	&	Reno,	Neva	ada 8				***	Yerington Min		PLATE:
		(775)	359-6	600				*	Yerington, N\	/	2

	Manager			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************		TES	ST PIT LO	3	***************************************	
TEST	PIT NO.:	TP-1	1 0>	<u> </u>					DATE:	8/12/200	9
TYPE	OF HOE	Cat	160C	LC			·		DEPTH TO GROUND WATER	(ft): NE	
LOGO	GED BY:	SMN	1	·····					GROUND ELEVATION (ff):	NA	
SAMPLE NO.	SAMPLE TYPE	PENETROMETER (tsf)	MOISTURE (%)	PLASTICITY INDEX	DEPTH (ft)	USCS SYMBOL	LITHOLOGY	DESCRIPTION			
E	GRAB				22						
					24— _ 26—						
			**************************************		28-						
	алала алам шетерере темперере терере терере темперере темперере темперере темперере темперере темперере темпер		dela del control d		30 — - 32 —						
					34						
a mana a mananany majarépanya padampanda padampanda padampanda padampanda padampanda padampanda padampanda pad					36— 38—						
Excav	rated in the	e Oxide Ta	llinas	Bulk	sample o	ollected	0 - 20'				
							- Ev.				PROJECT NO.:
					nsulting				Brown & Caldwell		0155-21-1
					⁄d., Sui 89502-				Yerington Mine		PLATE:
1	8	(775)			JUUU."	0			Yerington, NV		2
P											SHEET 2 OF 2

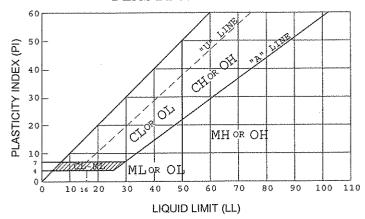
BORING_LOG 0155211.GPJ BLKEAGLE.GDT 12/15/2009

SOIL CLASSIFICATION CHART

*** -	YOD DITTI	TOMO	SYM	BOLS	TYPICAL
MAC	OR DIVIS	SIONS	1	LETTER	DESCRIPTIONS
	GRAVEL.	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
	AND GRAVELLY SOILS	(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
COARSE GRAINED SOILS	MORE THAN 50% OF COARSE	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SET MIXTURES
SOILS	FRACTION RETAINED ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	AND SANDY SOILS	(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS. GRAVELLY SAND, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES
	PASSING ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		sc	CLAYEY SANDS, SAND - CLAY MIXTURES
				ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
FINE GRAINED	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
SOILS			Committee of the commit	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% OF MATERIAL IS				МН	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		СН	INORGANIC CLAYS OF HIGH PLASTICITY
				ОН	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
ŀ	HIGHLY ORGANIC S	OILS	50 57 57 57 7 57 57 57 20 57 57 57	PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS
	FILL MATERIAL				FILL MATERIAL, NON-NATIVE

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS.

PLASTICITY CHART



FOR CLASSIFICATION OF FINE-GRAINED SOILS AND FINE-GRAINED FRACTION OF COARSE-GRAINED SOILS

Fax: (775) 359-7766

EXPLORATION SAMPLE TERMINOLOGY

Sample Type	Sample Symbol	Sample Code
Auger Cuttings		Auger
Bulk (Grab) Sample	The state of the s	Grab
Modified California Sampler	M	MC
Shelby Tube		SH or ST
Standard Penetration Test		SPT
Split Spoon		SS
No Sample		

GRAIN SIZE TERMINOLOGY

Component of Sample	Size Range
Boulders	Over 12 in. (300mm)
Cobbles	12 in. to 3 in. (300mm to 75mm)
Gravel	3 in. to #4 sieve (75mm to 2mm)
Sand	# 4 to #200 sieve (2mm to 0.074mm)
Silt or Clay	Passing #200 sieve (0.074mm)

RELATIVE DENSITY OF GRANULAR SOILS

N - Blows/ft	Relative Density
0 - 4	Very Loose
5 - 10	Loose
11 - 30	Medium Dense
31 - 50	Dense
greater than 50	Very Dense

CONSISTENCY OF COHESIVE SOILS

Unconfined Compressive Strength, psf	N - Blows/ft	Consistency
less than 500	0 - 1	Very Soft
500 - 1,000	2 - 4	Soft
1,000 - 2,000	5 - 8	Firm
2,000 - 4,000	9 - 15	Stiff
4,000 - 8,000	16 - 30	Very Stiff
8,000 - 16,000	31 - 60	Hard
greater than 16,000	greater than 60	Very Hard



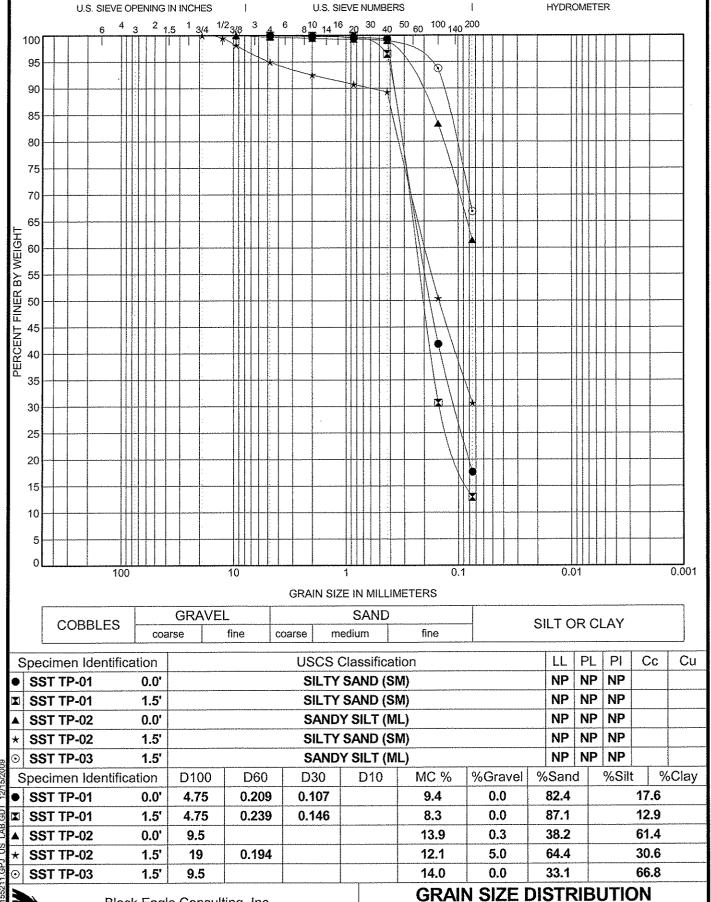
Black Eagle Consulting, Inc.
1345 Capital Blvd., Suite A
Reno, Nevada 89502-7140
Telephone: (775) 359-6600

Project: Yerington Mine
Location: Yerington, NV

Project Number: 0155-21-1

Plate:

3



Black Eagle Consulting, Inc. 1345 Capital Blvd., Suite A Reno, Nevada 89502-7140 Telephone: (775) 359-6600

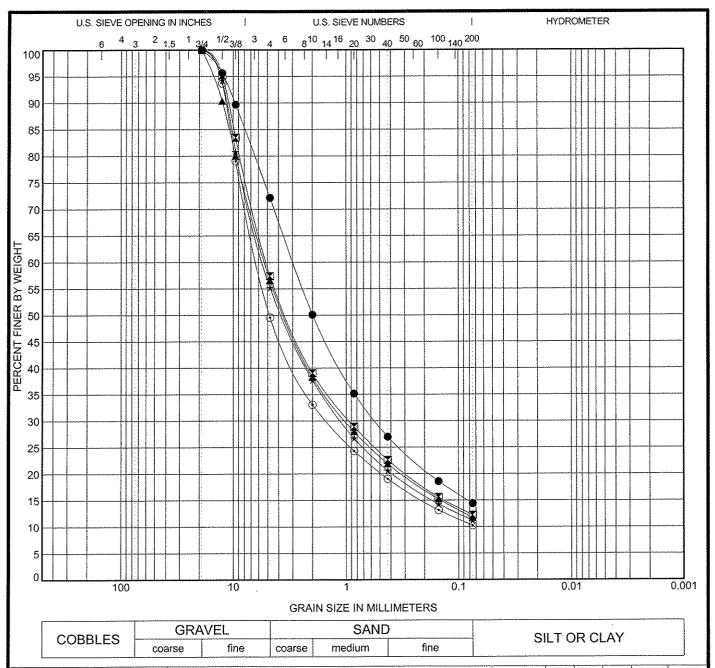
Fax: (775) 359-7766

Project: **Yerington Mine**Location: **Yerington, NV**

Project Number: 0155-21-1

Plate:

4a



3	Specimen Ident	ification			USCS C	Classifica	tion		LL	PL	PI	Сс	Cu
•	TP-06 OX	0.0'		CLA'	YEY SAND	with GR	AVEL (SC)		28	20	8		
×	TP-07 OX	10.0'		CLA	YEY SAND	with GR	AVEL (SC)		29	19	10	3.62	107.54
A	TP-08 OX	5.0'	POORL	Y GRADE	D SAND w	ith CLA	and GRAV	EL (SP-SC) 31	19	12	3.62	98.46
*	TP-09 OX	0.0P	OORLY G	RADED O	RAVEL w	ith SILTY	CLAY and	SAND (GP	GC)28	22	6	3.88	94.00
·	TP-10 OX	15.0'	POORL	Y GRADE	D GRAVEI	_ with CL	AY and SA	ND (GP-GC) 28	16	12	5.13	85.89
0	Specimen Ident	ification	D100	D60	D30	D10	MC %	%Gravel	%San	d	%Silt	t %	6Clay
•	TP-06 OX	0.0'	19	2.95	0.549		4.2	27.8	57.8			14.4	
X	TP-07 OX	10.0'	19	5.09	0.934		5.7	42.6	45.2			12.2	
A	TP-08 OX	5.0'	19	5.263	1.009		5.8	43.5	44.8			11.7	
*	TP-09 OX	0.0	19	5.408	1.099		4.6	44.8	44.0			11.2	
0	TP-10 OX	15.0'	19	6.072	1.484		6.9	50.4	39.3			10.2	
7	В	lack Eagl	e Consul	ting, Inc.			GRAIN SIZE DISTRIBUTION						
.# (~ ~.		_ T		1							



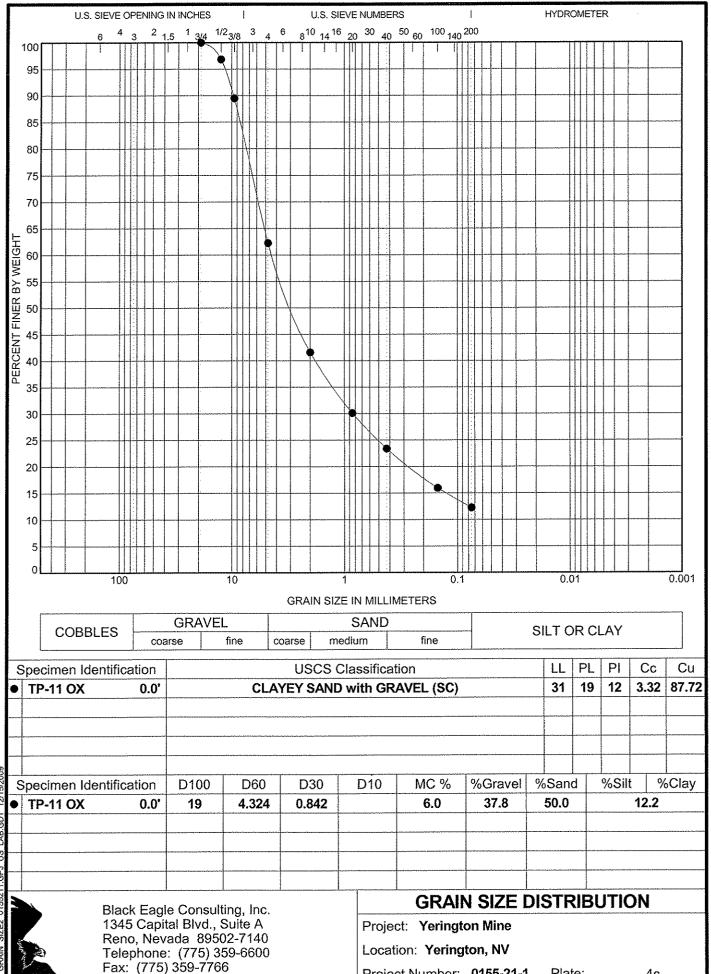
Black Eagle Consulting, Inc. 1345 Capital Blvd., Suite A Reno, Nevada 89502-7140 Telephone: (775) 359-6600 Fax: (775) 359-7766

GRAIN SIZE DISTRIBUTION

Project: Yerington Mine Location: Yerington, NV

Project Number: 0155-21-1 Plate:

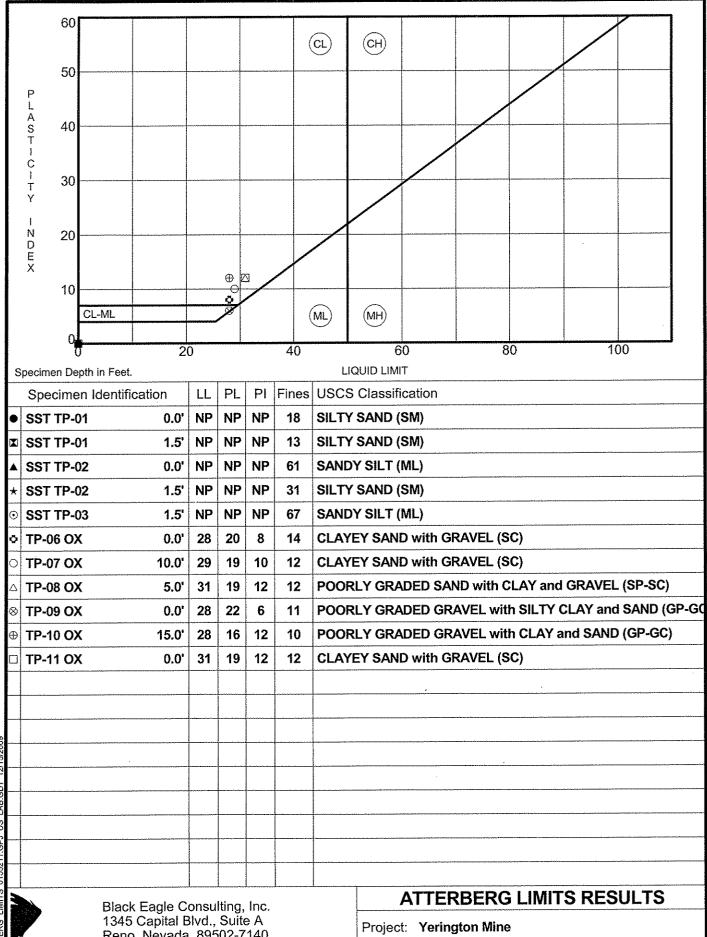
4b



Project Number: 0155-21-1

Plate:

4c



Reno, Nevada 89502-7140 Telephone: (775) 359-6600

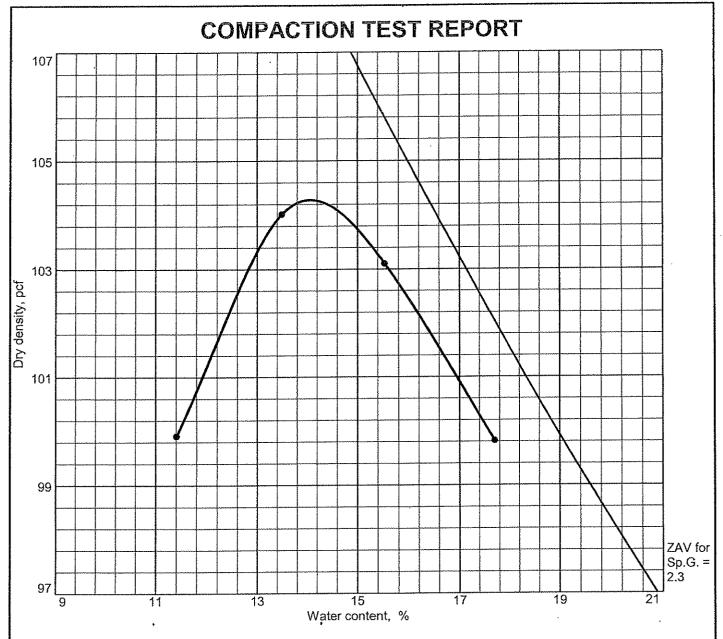
Fax: (775) 359-7766

Location: Yerington, NV

Project Number: 0155-21-1

Plate:

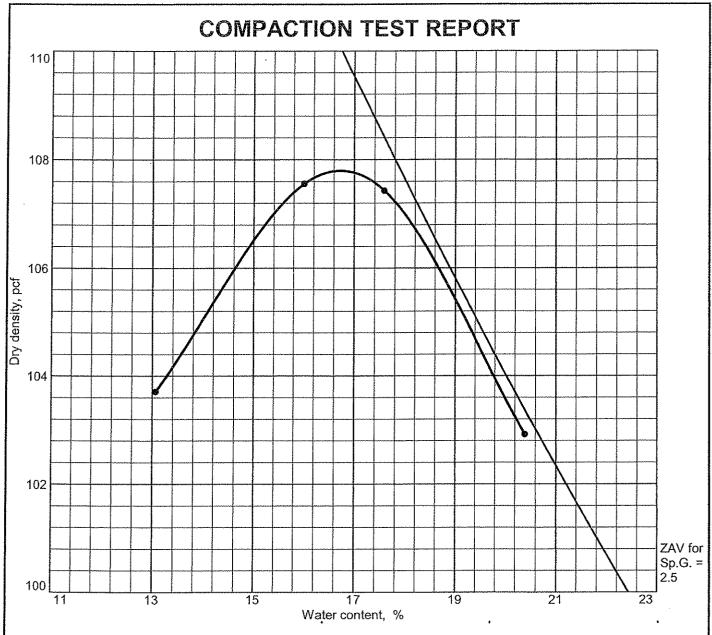
4d



Test specification: ASTM D 1557-00 Method A Modified

Elev/	Classi	ication	Nat.	Nat. Sp.G.		Sn.G II	PI	% >	% <
Depth	USCS	AASHTO	Moist.	st. Sp.G.	l h	.,	No.4	No.200	
0.0' - 20.0'	SM				No Value	Non Plastic	0.0	17.6	

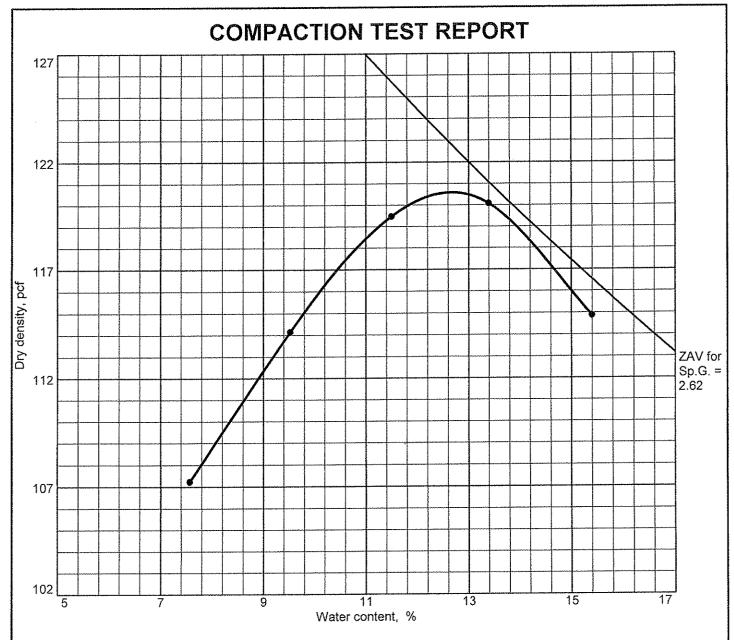
TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 104.3 pcf	Silty Sand
Optimum moisture = 14.1 %	
Project No. 0155-21-1 Client: Brown and Caldwell	Remarks:
Project: Yerington Mine	Laboratory Number 1273
• Source: SST TP-01 Sample No.: Bulk Elev./Depth: 0.	.0' - 20.0'
BLACK EAGLE CONSULTING, INC.	
Reno, Nevada	Plate 5a



Test specification: ASTM D 1557-00 Method A Modified

Elev/	Classi	fication	n Nat.		1	Pl	% >	%<
Depth	USCS	AASHTO	Moist.	Sp.G.	L-L	FI	No.4	No.200
0.0' - 20.0'					No Value	Non Plastic	1	

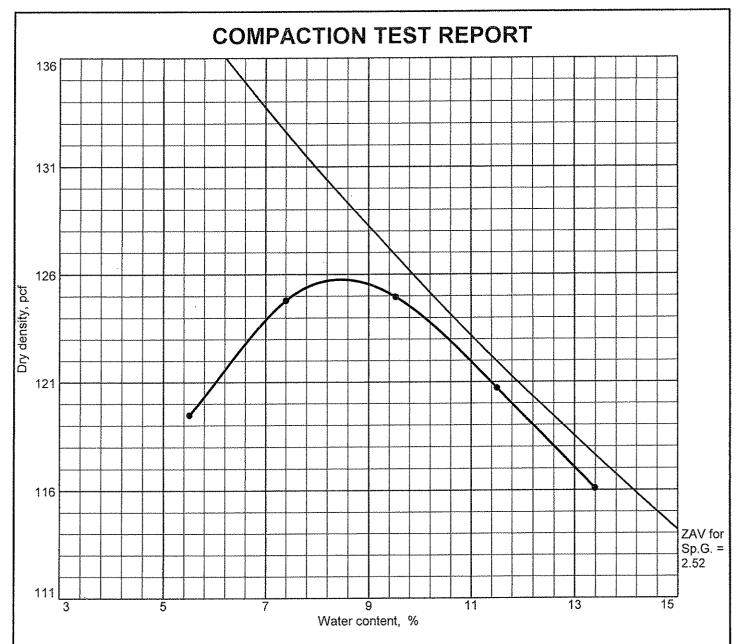
TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 107.8 pcf	Sandy Silt
Optimum moisture = 16.7 %	
Project No. 0155-21-1 Client: Brown & Caldwell	Remarks:
Project: Yerington Mine	Laboratory Number 1273
e Source: SST TP-02 Sample No.: Bulk Elev./Depth: 0.0' - 20.0'	
BLACK EAGLE CONSULTING, INC.	
Reno, Nevada	Plate 5b



Test specification: ASTM D 698-00a Method C Standard

Elev/	Classi	ication	Nat.	Sp.G.	11	PI	% >	% <
Depth	USCS	AASHTO	Moist.	3μ.σ.	L-L-	t I	3/4 in.	No.200
	SC		4.2		28	20	0.0	14.4

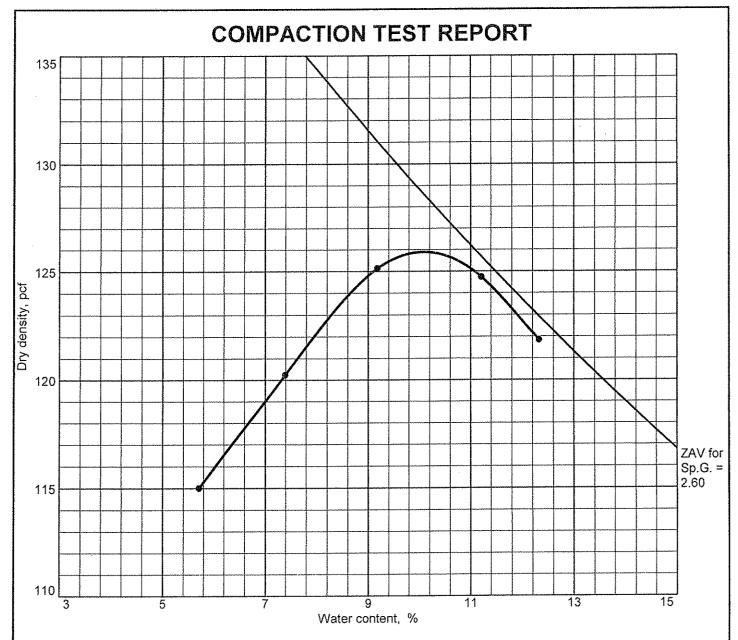
TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 120.6 pcf	Clayey Sand with Gravel
Optimum moisture = 12.7 %	
Project No. 0155-21-1 Client: Brown and Caldwell	Remarks:
Project: Yerington Mine	Laboratory Number 1449
• Source: TP-06 OX	
BLACK EAGLE CONSULTING, INC.	
Reno, Nevada	Plate 5c



Test specification: ASTM D 698-00a Method C Standard

Elev/	Classif	ication	Nat.	Sp.G.	1 1	PI	%>	% <
Depth	USCS	AASHTO	Moist.	Sp.G.	L.L.	I I	3/4 in.	No.200
0.0' - 20.0'	GP - GC	:	4.6		28	6	0.0	11.1

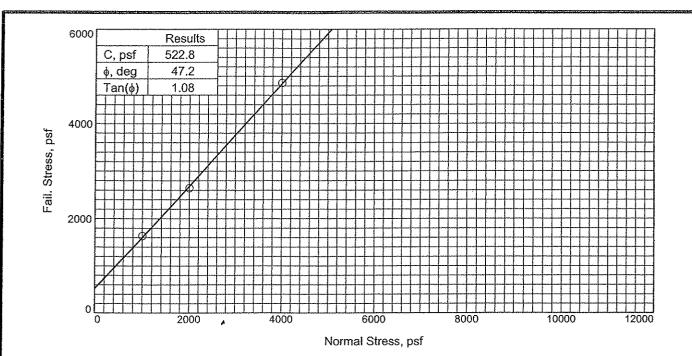
	<u> </u>						
	EST RESULTS			MATERIAL DESCRIPTION			
Maximum dry density = 125.8 pcf				Poorly Graded Gravel with Silty Clay Sand			
Optimum moisture = 8.5 %							
Project No. 0155-21-1 Client:	Remarks:						
Project: Yerington Mine				Laboratory Number 1449			
• Source: TP-09 OX Sal	mple No.: Bulk	Elev./Depth:	0.0' - 20.0'				
BLACK EAC	;	Plate 5d					
F	Reno, Nevada						



Test specification: ASTM D 698-00a Method C Standard

Elev/	Classification		Classification Nat. Sp.G.		l I	PI	% >	% <
Depth	USCS	AASHTO	Moist.	3p.G.	LL	1 1	3/4 in.	No.200
0.0' - 20.0'			6.0		31	12	0.0	12.2

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 125.9 pcf	Clayey Sand with Gravel
Optimum moisture = 10.1 %	,
Project No. 0155-21-1 Client: Brown and Caldwell	Remarks:
Project: Yerington Mine	Laboratory Number 1449
• Source: TP-11 OX Sample No.: Bulk Elev.	/Depth: 0.0' - 20.0'
BLACK EAGLE CONSULTING, IN	
Reno, Nevada	Plate 5e



6000					7		-			-	Н]
5000												1
4000												
3000												
2000												2
1000												
0	0		5	St			%				2	0
	5000 4000 3000 2000	5000 4000 3000 2000	5000 4000 3000 2000	5000 4000 3000 2000 1000	5000 4000 3000 2000 1000 0 5	5000 4000 3000 2000 1000 0 5 1	5000 4000 3000 2000 1000 0 5 10	5000 4000 3000 2000	5000 4000 3000 2000 1000 0 5 10	5000 4000 3000 2000 1000 0 5 10 15	5000 4000 3000 2000 1000 0 5 10 15	5000 4000 3000 2000 1000 0 5 10 15 2

,	······································		~~~	~~~~	~~~
Sa	mple No.	1	2	3	
	Water Content, %	11.3	11.3	11.3	
	Dry Density, pcf	88.7	88.1	89.3	
Initial	Saturation, %	35.7	35.3	36.3	
Ξ	Void Ratio	0.8215	0.8322	0.8078	
	Diameter, in.	2.420	2.420	2.420	
	Height, in.	1.000	1.000	1.000	
	Water Content, %	26.5	28.0	26.8	
	Dry Density, pcf	95.7	91.5	92.1	
Test	Saturation, %	99.7	94.7	92.1	
Aŧ.	Void Ratio	0.6869	0.7655	0.7529	
	Diameter, in.	2.420	2.420	2.420	
	Height, in.	0.926	0.964	0.970	
No	mal Stress, psf	4000.0	2000.0	1000.0	
Fai	l. Stress, psf	4858.9	2642.3	1631.1	
Strain, %		7.2	6.4	1.1	
Ult. Stress, psf					
St	rain, %				
Stra	ain rate, in./min.	0.002	0.002	0.002	

Sample Type: Remolded Description: Silty Sand

LL= No Value

PI= Non Plastic

Specific Gravity= 2.587

Remarks: Laboratory Number 1273

Client: Brown & Caldwell

Project: Yerington Mine

Source of Sample: SST TP-01

Depth: 0.0' - 20.0'

Sample Number: Bulk

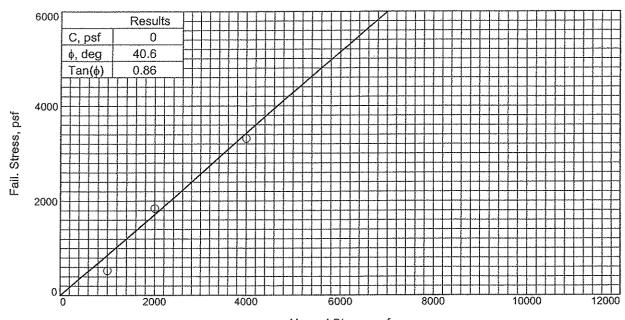
Proj. No.: 0155-21-1

Date Sampled:

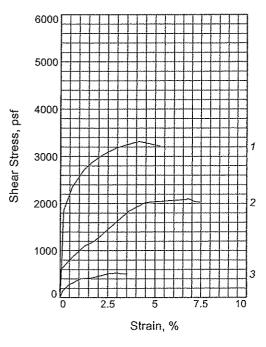
DIRECT SHEAR TEST REPORT

BLACK EAGLE CONSULTING, INC.

Plate 6a



Normal Stress, psf



Sample No.		1	2	3	
	Water Content, %	11.3	11.3	11.3	
	Dry Density, pcf	101.2	102.3	102.1	
Initial	Saturation, %	47.9	49.2	49.0	
	Void Ratio	0.6222	0.6057	0.6081	
	Diameter, in.	2.420	2.420	2.420	
	Height, in.	1.000	1.000	1.000	
	Water Content, %	18.4	18.8	21.8	
At Test	Dry Density, pcf	109.3	108.3	103.6	
	Saturation, %	96.2	95.9	97.8	
Ā	Void Ratio	0.5020	0.5166	0.5857	
	Diameter, in.	2.420	2.420	2.420	
	Height, in.	0.926	0.945	0.986	
N	ormal Stress, psf	4000.0	2000.0	1000.0	
Fa	ail. Stress, psf	1844.0	526.0		
9	Strain, %	4.1	3.6	3.0	
Įυ	t. Stress, psf				
5	Strain, %				
St	rain rate, in./min.	0.002	0.002	0.002	

Sample Type: Remolded Description: Sandy Silt

LL= No Value

PI= Non Plastic

Specific Gravity= 2.631

Remarks: Laboratory Number 1273

Client: Brown & Caldwell

Project: Yerington Mine

Source of Sample: SST TP-02

Depth: 0.0' - 20.0'

Sample Number: Bulk

Proj. No.: 0155-21-1

Date Sampled:

DIRECT SHEAR TEST REPORT

BLACK EAGLE CONSULTING, INC.

Plate 6b



Hydraulic Conductivity ASTM D 5084

Method C: Falling Head Rising Tailwater

Job No:

698-001

Boring:

Date: SSTP-02

06/11/09

Client:

Black Eagle Consulting

Sample:

By: Bulk

MD/PJ

Project:

0155-21-1

Depth, ft.:

0-20

Remolded: Target= 90% of 107.8 pcf @ 16% (OPT).

Time, min.

Visual Classification: Silty Sand

Max Sample Pressures, psi:				B: = >0.95		ation of saturation)	
Cell:	Bottom	Тор	Avg. Sigma3		Max Hydra	ulic Gradient: =	5
74	69	69	5	1,0E-03 T			
Date	Minutes	Head, (in)	K,cm/sec				
6/8/2009	0.00	15.00	Start of Test	9,0€-04			
6/8/2009	1.00	12.00	3.2E-04	8 0E-04	······································		
6/8/2009	4.00	6.40	3.1E-04				
6/8/2009	7.00	3.50	3.0E-04	7.0E-04			
6/8/2009	1.00	12.30	2.9E-04	5.05-04			
6/8/2009	1.50	11.50	2.6E-04	Permeability			
6/8/2009	8.00	4.00	2.4E-04	Ē 5.0€-04			
6/8/2009	7.00	4.50	2.5E-04	1			
6/8/2009	13.50	1.70	2.3E-04	4.06-04			
				3.0E-04	\Diamond		
					A	<u> </u>	X
				2.0E-04			
				1.0E-04			
				1,02-30.7		5 10	15

	Average Permeability:	3.E-04 cm/sec
Sample Data:	Initial	Final
Height, in	3.00	2.94
Diameter, in	2.38	2.38
Area, in2	4.43	4.43
Volume in3	13.29	13.02
Total Volume, cc	217.8	213.4
Volume Solids, cc	127.4	127.4
Volume Voids, cc	90.4	86.0
Void Ratio	0.7	0.7
Total Porosity, %	41.5	40.3
Air-Filled Porosity, %	15.2	-0.3
Water-Filled Porosity,%	26.3	40.6
Saturation, %	63.5	100.7
Specific Gravity	2.631	2.631
Wet Weight, gm	392.6	421.9
Dry Weight, gm	335.3	335.3
Tare, gm	0.00	0.00
Moisture, %	17.1	25.8
Dry Density, pcf	96.1	98.0

Remarks:

Due to slumping of the sample after the confining pressure was released, the final sample dimensions and associated values are approximate.